

State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5048-00
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California Type Evaluation Program
Certificate of Approval
for Weighing Devices

For:

LPG/Retail Motor Fuel Dispenser
Digital Electronic

Model: PRO Series (See Page 2, Model Designation)

Capacity: \$9.999 Unit Price (See Below)

Submitted by:

Clean Fueling Technologies, Inc. (CFT)
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Standard Features and Options

Digital electronic computing head

Sales display: PRO-UX- \$999.99
PRO-KX- \$9999.99

Volume display: PRO-UX- 999.99 gallons or liters
PRO-KX- 9999.999 gallons or liters

Totalizer: PRO-UX- 999 999.99, electronic or mechanical (volume)
PRO-KX- \$99 999 999.99, electronic totalizer (sales)
9 999 999.999, electronic totalizer (volume)

Single or dual hose configuration, either island or lane configuration

High hose or low hose cabinet design

Backlighted liquid crystal display

Battery (capacitor) back-up

Built in vapor eliminator and pressure differential valve

Range of flow rates: Schlumberger 3.5 to 18 gpm
Liqua-Tech 3.5 to 18 gpm

Option: Automatic temperature compensation (ATC)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: August 10, 2000

Mike Cleary, Director

Clean Fueling Technologies, Inc.
LPG/Retail Motor Fuel Dispenser
Model: PRO Series

Application: For use in retail motor fuel service stations for dispensing liquefied petroleum gas (LPG) as a stand-alone dispenser or with an approved and compatible card reader.

Identification: A metal plate with the required information is riveted on the side of the dispenser.

Model Designation: The specific parameters of devices covered by this certificate are indicated in the table below.

PRO	X	X	X	X	00	X
Series name	U = Universal Epsco electronics K = Kraus electronics	1 = Single pricing 2 = Dual pricing 4 = Single pricing and card processing 5 = Dual pricing and card processing	3 = High style cabinet 5 = Low style cabinet 6 = Low style cabinet w/split air gap 7 = High style cabinet w/split air gap 8 = Flag style cantilevered	1 = Single hydraulics, electronics, and hose 2 = Dual hydraulics, electronics, and hose	00 = No option 01 = ATC (For Kraus electronics only)	S = Schlumberger measure element L = Liqua-Tech measure element

Sealing: The Kraus register head has a calibration switch located inside the electronics housing. A housing cover protects access to the switch. A wire security seal may be threaded through drilled head bolts that attach the cover to the housing. Additionally, an audit trail with two event counters, one for configuration and one for calibration, are provided. Refer to operation for the procedure of accessing the audit trails. The optional automatic temperature compensator may be sealed by threading a wire security seal through a hole in the probe coupler and a hole in the screw attaching the probe well housing to the meter line. Provisions for sealing the meter are in accordance with the sealing conditions of the meter's Certificate of Approval.

Operation: To view the audit trail event counters, remove the hose and turn the dispenser handle on and off rapidly. The configuration event counter number will be displayed in the sales display and the calibration event counter number will be displayed in the volume display.

Test Conditions: The Model PRO-K1-3101-L, interfaced with a Petro Vend Model FITDRO card reader and a Kraus Model 011 KT 07 pulser, was submitted for evaluation. The emphasis of the evaluation was on design, performance, and interaction with measuring systems. The meter used in the device was previously evaluated under Certificate of Approval Number 4395(a)-00; therefore, product throughput requirements were waived based upon testing performed in conjunction with that certificate. Three accuracy tests were conducted at three different flow rates with the temperature compensating system activated and the display configured to read the gross and net deliveries. The system was put into service and the same tests were repeated approximately 30 days later.

The results of the evaluation indicate the device complies with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2000 Edition.

Tested By: R. W. Wothlie (MD), Norman Ingram (CA)